IN THE SPECIFICATION

Please amend the paragraph at page 11, line 5 as follows:

--The ground station 10 has a processor 16 which uses the punctual and late correlation outputs IP, IL_1, IL_2, IL_3, . . ., IL_n as disclosed hereinafter in order to determined whether a fault exists. Alternatively or additionally, the processor 16 can use the early correlation outputs IE_1, IE_2, IE_3, . . ., IE_m as disclosed hereinafter in order to ~~determined~~ determine whether a fault exists.--

A1

Please amend the paragraph at page 19, line 12 as follows:

--where $\tilde{d}$ is a vector representing the decorrelated deviations generating the vector d. Equation ~~(9)~~ (8) can be re-written according to the following equation:--

A2

Please amend the paragraph at page 19, line 16 as follows:

--Then, combining equations ~~(6) and (10)~~ (5) and (9) produces the following equation:--

A3

Please amend the paragraph at page 20, line 2 as follows:

A4

--By comparing equations ~~(6) and (11)~~ (7) and (10), it can be seen that D is given by following equation:--

Please amend the paragraph at page 21, line 4 as follows:

A5

--A normalization to $\sigma = 1$ as required in the definition of χ^2 will be performed in equation ~~(14)~~ (13). The value $d[\chi^2]$ is a single value which has reduced thermal and multipath noise, which represents information regarding a plurality of correlation measurements, and which may be compared to a threshold D in order to determine the existence of a fault.--